

**REMARKS**

Claims 1-25 are pending in the present application. Claims 5-15 and 20-22 are allowed.

Claim 16 and 25 have been amended and claim 19 has been cancelled.

The Examiner rejected claims 1-3, 16, 24-25 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,7531,302 (*Caine*). Applicants respectfully traverse this rejection.

Claim 1 is directed to adjusting DC feed to a subscriber loop using a line card in which a common analog-to-digital converter is employed to convert voice-band signals and DC signals received from a subscriber line. In particular, claim 1 calls for receiving a signal comprising at least one of a voice component and DC component, receiving a signal from a subscriber line comprising at least one of a voice component and a DC component. Claim 1 further calls for converting the voice component of the signal to a digital voice signal using an analog-to-digital converter to allow further processing of the digital voice signal and converting the DC component of the signal to a digital signal using the analog-to-digital converter employed to convert the voice component of the signal. Claim 1 further calls for adjusting a DC feed to the subscriber line based on the digital signal.

*Caine* discloses a CODEC and SLIC assembly for performing impedance matching and DC feed control. See *Caine*, at col. 3, line 34 – col. 4, line 32. The Examiner asserts that *Caine*, teaches the features of claim 1. The Applicants disagree. *Caine* at least does not teach using an A/D converter for converting the voice component of the signal to a digital voice signal and also for converting the DC component of the signal to a digital signal, where the digital signal is

employed to adjust the DC feed. The Examiner refers to Figures 2 and 3 in an attempt to sustain the rejection. Figures 2 and 3, which are a high-level representation of the described system, do not illustrate that an A/D converter that converts both the voice and DC component of the received signal. In fact, contrary to the Examiner's assertions, Figure 8 of *Caine* discloses one A/D converter 710 used for DC control, and a different A/D converter 720 for voice processing.

Claim 24 and 25 are also allowable for at least one or more of the reasons presented above.

With respect to claim 16, *Caine* fails to teach one or more of the claimed features. For example, *Caine* at least does not teach a first path and a second path, wherein the first path receives a signal and determines a cancellation current proportional to a current flowing from the subscriber line and the second path adjusts a DC level control based on the determined cancellation current wherein adjusting the DC level control comprises providing a voltage to the subscriber line based on the cancellation current. Accordingly, claim 16 and its dependent claims are allowable.

In view of reasons present above, the pending claims are allowable. As such, reconsideration of the present application is respectfully requested, and a Notice of Allowance is respectfully solicited.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at the Houston, Texas telephone number (713) 934-4069 to discuss the steps necessary for placing the application in condition for allowance.

Respectfully submitted,

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